

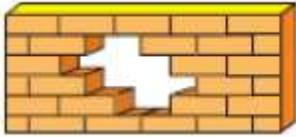
2007 MathEdge+ Beginner Level Contest

1st and 2nd graders do problems 1-10. Please box the answer. No partial credit will be given. Only correct answer counts. No Calculator. 30 mins

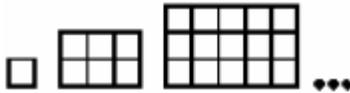
- 1) How many different digits were used to draw the “face” picture?
 Note: if the shapes look the same, they are the same digit.



- 2) How many bricks are missing in this wall?



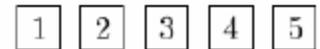
- 3) Draw the next figure to the sequence:



- 4) What number is covered by ? in the last picture below?



- 5) Five cards are laying on the table in the order: 5, 1, 4, 3, 2 as shown in the top row of the picture. They need to be placed in the order shown in the bottom row. In each move, any two cards may be switched. What is the least number of moves that need to be made?



- 6) Using only digits 1 and 2, how many different 1- or 2-digit counting numbers can be formed?

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- 7) Five years ago, the sum of ages of Apple, Beatrice and Cindy was 29 years. What would be the sum of their ages now?

- 8) Alice lives with her parents, two sisters, one brother, two dog, three cats, two parrots, and six fish. What is the total number of legs that they have altogether?

- 9) Beatrice said to Cindy, "If you give me 7 stickers, then I would have exactly as many stickers as you." How many more stickers does Cindy have than Beatrice?

- 10) As Heather wrote the problem on the board: $32 + 24 + 3 + 13 = 107$, she forgot one digit. What digit and from which number did she miss for the equation to be correct?

----- 1st and 2nd graders end here -----

- 11) What is the least number of children in a family so that each child has at least one brother and at least one sister?

- 12) The first day of a certain month that has 30 days is a Tuesday. How many Tuesdays does this month can have?

- 13) Who is right?
 Andy: "The largest number possible has 0 as the last digit."
 Bill: "The largest number is googolplex."
 Clark: "The largest number possible has 1000 digits."
 Danny: "The largest number possible has all 9's."
 Elvis: "The largest number possible cannot be written."

- 14) Two of the numbers located on the two circles (see the picture) are represented by letters A and B. The sum of the numbers on each circle is equal to 55. What number is represented by letter A?

